

## Abstract

The present invention aims to provide a mobile station (MS) 100 which can perform confidentiality processing and integrity processing on data layer 2 or upper. A confidentiality/integrity processing unit 40 is provided among a terminal IF unit 10, a radio communication control unit 20, and a radio communication unit 30. The confidentiality/integrity processing unit 40 performs only the confidentiality processing on transparent data such as speech data transferred between the terminal IF unit 10 and the radio communication unit 30. The confidentiality/integrity processing unit 40 performs the confidentiality processing or/and the integrity processing on non-transparent data transferred to/from the radio communication control unit 20. The confidentiality/integrity unit 40 selectively performs the confidentiality processing or the integrity processing on the data of layer 2 or upper output from the radio communication unit 30 based on the data kind.

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